

Serial No. 10/619,312
Examiner: B. Nicholson
Art Unit: 3679
May 10, 2004
Page 2

LISTING OF CLAIMS:

1. (cancelled)
2. (Previously presented) A test apparatus for testing the fluid tightness of pipes of different sizes, comprising:
 - a one-piece main body having a tubular wall defining a chamber, said wall having at least two internally threaded wall portions, each one of said internally threaded wall portions having a different diameter whereby said main body can be screwed separately onto at least two different diameter externally threaded pipes in a fluid-tight manner;
 - said one-piece main body having a head portion connected with said tubular wall;
 - said head portion having a gauge port in fluid communication with said chamber;
 - said head portion having a test fluid inlet port in fluid communication with said chamber and with said gauge port;
 - said gauge port having the same configuration as said test fluid inlet port whereby a test gauge can be connected in either said gauge port or said test fluid inlet port and a test fluid supply line can be said connected in either said test fluid inlet port or said gauge port.
3. (Previously presented) A test apparatus as set forth in claim 2 wherein said head portion of said main body includes a third port connected in fluid communication with said chamber and with said gauge port and with said test fluid inlet port, said third port having the same configuration as said test fluid inlet port and as said gauge port.

Serial No. 10/619,312
Examiner: E. Nicholson
Art Unit: 3679
May 10, 2004
Page 3

4. (Previously presented) A test apparatus as set forth in claim 3 further comprising a valve stem air filler engageable in said third port when a gauge is engaged in said gauge port and a fluid inlet member is engaged in said fluid inlet port, said valve stem air filler being operative to bleed fluid from said chamber and thereby from a pipe being tested without disconnecting the fluid inlet member from said fluid inlet port.

5. (Previously presented) A test apparatus as set forth in claim 2 further comprising a test fluid inlet member engageable in said test fluid inlet port, said test fluid inlet member having a manually engageable shut-off valve for selectively blocking or enabling fluid flow through said test fluid inlet member.

6. (Previously presented) A test apparatus as set forth in claim 2 further comprising a hand pump engageable in said test fluid inlet port for supplying test fluid at a low pressure above atmospheric to said chamber and thereby to a pipe being tested.

7. (Previously presented) A test apparatus as set forth in claim 2 wherein said wall has three internally threaded wall portions each having a different diameter whereby said main body can be screwed separately onto three different diameter externally threaded pipes in a fluid-tight manner.

8. (Previously presented) A test apparatus as set forth in claim 7 wherein said main body includes a third port connected in fluid communication with said chamber and with said gauge port and with said test fluid inlet port, said third port having the same configuration as said test fluid inlet port and as said gauge port;

said apparatus further comprising a valve stem air filler engageable in said third port when a gauge is engaged in said gauge port and a fluid inlet member is engaged in said fluid inlet port, said valve stem air filler being operative to bleed fluid from said chamber and thereby from a pipe being tested without disconnecting the fluid inlet member from said fluid inlet port;

Serial No. 10/619,312
Examiner: B. Nicholson
Art Unit: 3679
May 10, 2004
Page 4

said apparatus further comprising a test fluid inlet member engageable in said test fluid inlet port, said test fluid inlet member having a manually engageable shut-off valve for selectively blocking or enabling fluid flow through said test fluid inlet member; and

said apparatus further comprising a hand pump engageable in said test fluid inlet port for supplying test fluid at a low pressure above atmospheric to said chamber and thereby to a pipe being tested.

9. (Previously presented) A test apparatus as set forth in claim 2 wherein said head portion of said main body includes a third port connected in fluid communication with said chamber and with said gauge port and with said test fluid inlet port, said third port having the same configuration as said test fluid inlet port and as said gauge port;

said apparatus further comprising a test fluid inlet member engageable in said test fluid inlet port, said test fluid inlet member having a manually engageable shut-off valve for selectively blocking or enabling fluid flow through said test fluid inlet member.

10. (Previously presented) A test apparatus for testing the fluid tightness of pipes of different sizes, comprising:

a one-piece main body having a tubular wall defining a chamber, said wall having at least one internally threaded wall portion whereby said main body can be screwed onto an externally threaded pipe in a fluid-tight manner;

said one-piece main body having a head portion connected with said tubular wall;

said head portion having a gauge port in fluid communication with said chamber;

said head portion having a test fluid inlet port in fluid communication with said chamber and with said gauge port;

said gauge port having the same configuration as said test fluid inlet port whereby a test gauge can be connected in either said gauge port or said test fluid inlet port

Serial No. 10/619,312
Examiner: E. Nicholson
Art Unit: 3679
May 10, 2004
Page 5

and a test fluid supply line can be said connected in either said test fluid inlet port or said gauge port.

11. (New) A test apparatus as set forth in claim 2 wherein said head portion of said main body includes a third port connected in fluid communication with said chamber and with said gauge port and with said test fluid inlet port, said third port having the same configuration as said test fluid inlet port and as said gauge port, and wherein said wall has three internally threaded wall portions each having a different diameter whereby said main body can be screwed separately onto three different diameter externally threaded pipes in a fluid-tight manner.

12. (new) A test apparatus as set forth in claim 11 wherein said test fluid inlet port and said gauge port have diameters that are smaller than the diameters of at least two of said internally threaded wall portions.

13. (new) A test apparatus as set forth in claim 12 wherein said gauge port and said test fluid inlet port are one quarter inch diameter female threaded ports.

14. (new) A test apparatus as set forth in claim 2 wherein said test fluid inlet port and said gauge port have diameters that are smaller than the diameters of at least two of said internally threaded wall portions.

15. (new) A test apparatus as set forth in claim 14 wherein said gauge port and said test fluid inlet port are one quarter inch diameter female threaded ports.

16. (new) A test apparatus as set forth in claim 15 wherein the at least two internally threaded wall portions include at least three internally threaded wall portions that range from one-half inch to one inch or more in diameter.

Serial No. 10/619,312
Examiner: E. Nicholson
Art Unit: 3679
May 10, 2004
Page 6

17. (new) A test apparatus as set forth in claim 16 wherein the at least two internally threaded wall portions include at least three internally threaded wall portions that range from one inch and up in diameter.

18. (new) A test apparatus as set forth in claim 14 wherein said gauge port and said test fluid inlet port are female single threaded ports.

19. (new) A test apparatus as set forth in claim 18 wherein said gauge port and said test fluid inlet port are one quarter inch diameter ports.